6ZOZ

USER'S MANUAL

1. **System power on by PS/2 Mouse: First, enable this function in CMOS Setup, then you can power on the system by double clicking the right or left button of your PS/2 Mouse.**

2. **System power on by Keyboard: If your ATX power supply supports 300 mA 5V Stand-By current (dependent on the specification of keyboards), you can power on your system by entering password from the Keyboard after setting the “Keyboard power on” jumper and password in CMOS Setup.**

3. **Support Modem Ring-On (COM A and COM B).**

4. **Support 3 steps ACPI LED.**

5. **ATi 3D RAGE PRO graphics acceleration Onboard.**

6. **YAMAHA PCI Audio chip Onboard (Optional).**

7. **INTEL SB82558B LAN chip Onboard (Optional).**

8. **Wake-Up on LAN. (The ATX power supply supports larger than 720 mA 5V Stand-By current) (Optional).**

Pentium â II / Celeron™ Processor MAINBOARD

R-10-01-081229

The author assumes no responsibility for any errors or omissions which may

information contained herein.

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Sound Blaster is a registered trademark of Creative Technology Ltd in the

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November. 28, 1998 Taipei, Taiwan

I. Quick Installation Guide :

CPU SPEED SETUP

The default system bus speed is 66 / 100MHz. The user can select the system bus speed (**SW1**) and change the DIP SWITCH **(SW2)** selection to set up the CPU speed for 233 - 633MHz processor.

The CPU speed must match with the frequency RATIO. It will cause system hanging up if the frequency RATIO is higher than CPU's.

SW1 (ON:O / OFF:X)

SW1	AGP	1	2	3	4
133	**89**	X	X	O	X
124	**83**	O	O	O	X
112	**75**	X	O	X	X
100	**66**	X	X	X	X
83	**83**	O	X	O	O
75	**75**	O	O	X	O
66	**66**	O	X	X	O

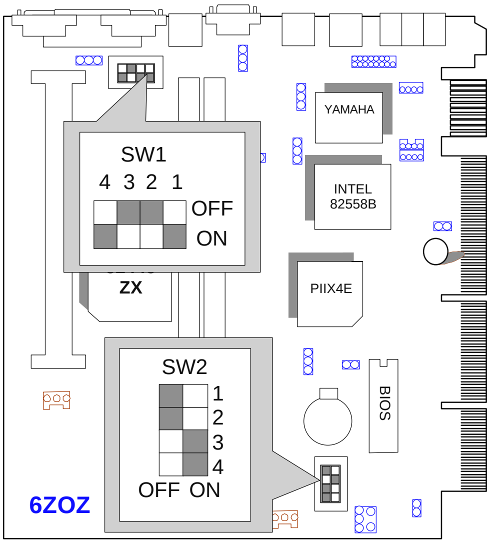
SW2 (ON:O / OFF:X)

FREQ. RATIO	DIP SWITCH (SW)			
	1	2	3	4
X 3	O	X	O	O
X 3.5	X	X	O	O
X 4	O	O	X	O
X 4.5	X	O	X	O
X 5	O	X	X	O
X 5.5	X	X	X	O
X6	O	O	O	X
X6.5	X	O	O	X

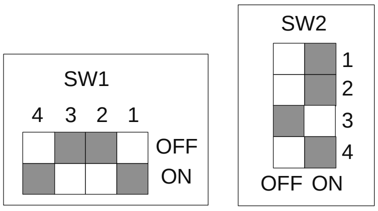
★**Note: We don’t recommend you to setup your system speed to 75,83, 112, 124 or 133MHz because these frequencies are not the standard specifications for CPU, Chipset and most of the peripherals. Whether your system can run under 75, 83, 112, 124 or 133MHz properly will depend on your hardware configurations:**

CPU, SDRAM, Cards, etc.

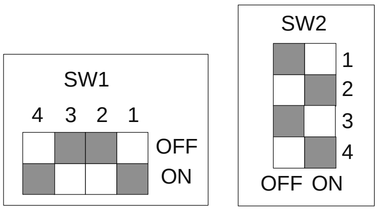
1. Pentium® II / Celeron 233 / 66MHz FSB



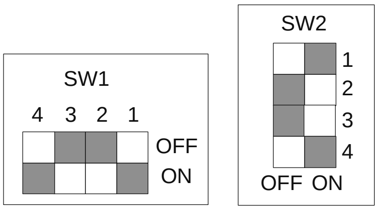
2. Pentium® II / Celeron 266 / 66MHz FSB



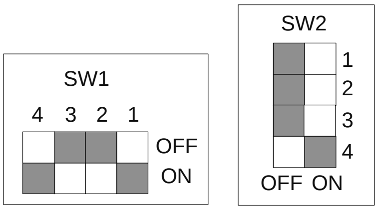
3. Pentium® II / Celeron 300 / Celeron 300A/ 66MHz FSB



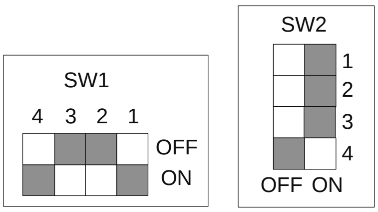
4. Pentium® II / Celeron 333 / 66MHz FSB



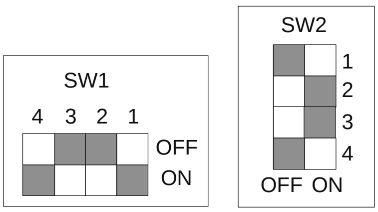
5. Pentium® II / Celeron 366 / 66MHz FSB



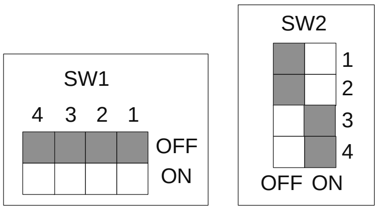
6. Pentium® II / Celeron 400 / 66MHz FSB



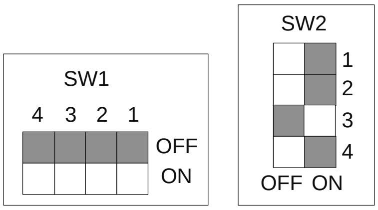
7. Pentium® II / Celeron 433 / 66MHz FSB



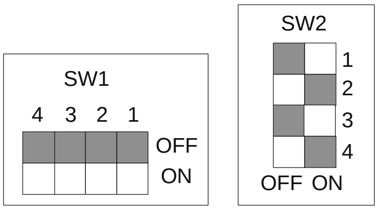
8. Pentium® II 350 / 100MHz FSB



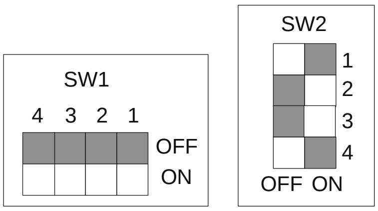
9. Pentium® II 400 / 100MHz FSB



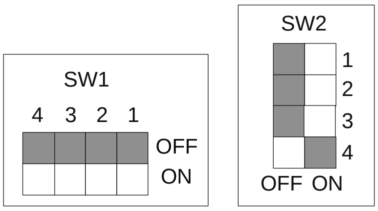
10.Pentium® II 450 / 100MHz FSB



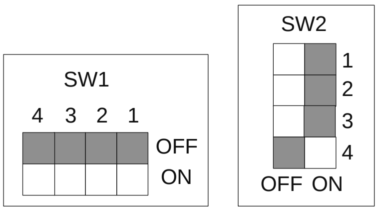
11.Pentium® II 500 / 100MHz FSB



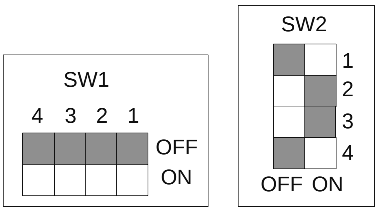
12.Pentium® II 550 / 100MHz FSB



13.Pentium® II 600 / 100MHz FSB

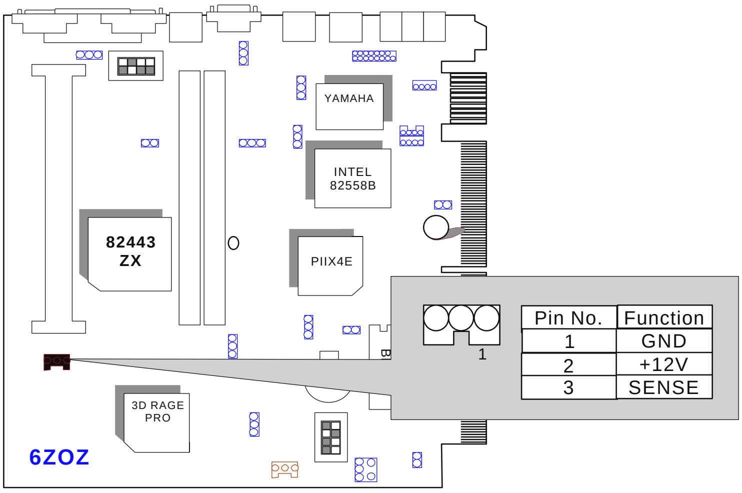


14.Pentium® II 650 / 100MHz FSB

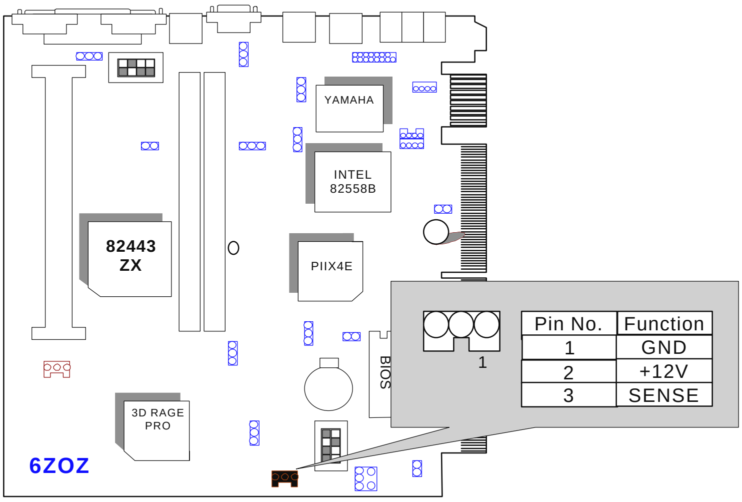


II. Jumper setting:

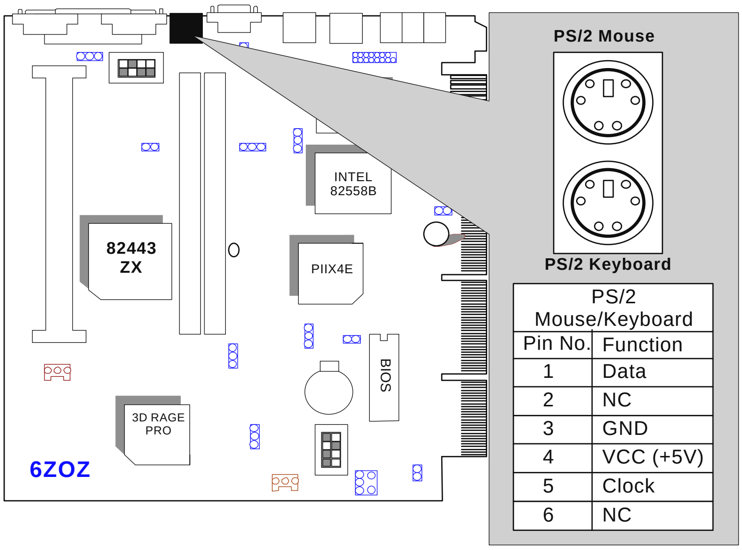
J7 : CPU FAN PWR (CPU Cooling Fan Power Connector)



J12 : System FAN PWR (System Cooling Fan Power Connector)

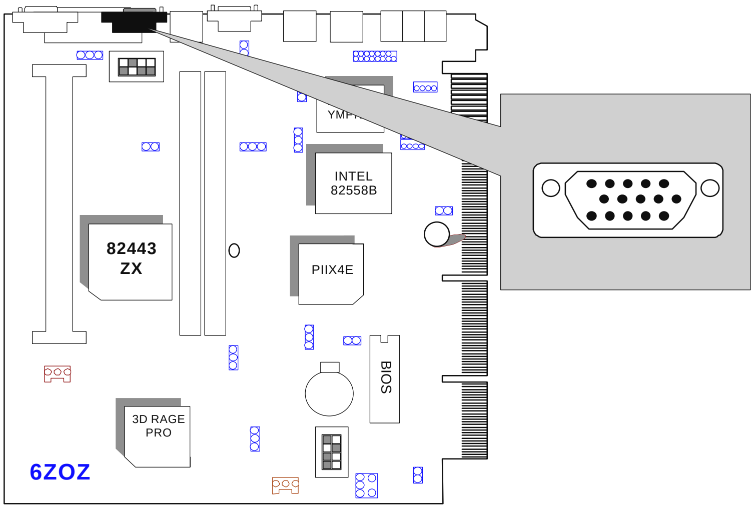


PS/2 Mouse and IBM PS/2 Keyboard Connector

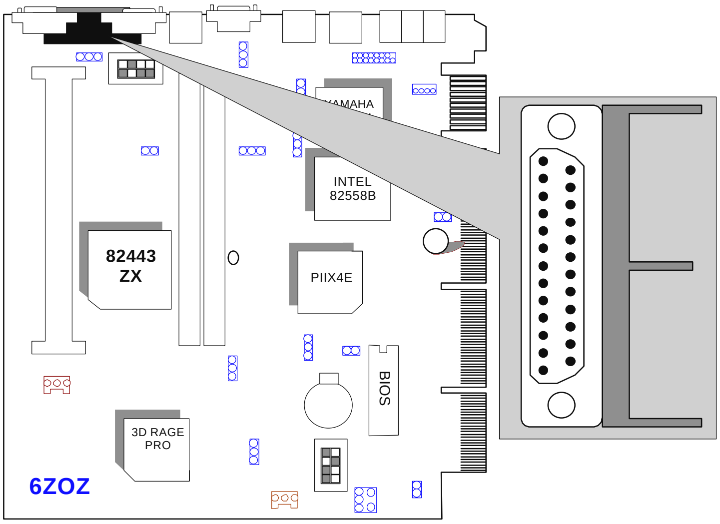


PS/2 Mouse/Keyboard	
Pin No.	Function
1	Data
2	NC
3	GND
4	VCC (+5V)
5	Clock
6	NC

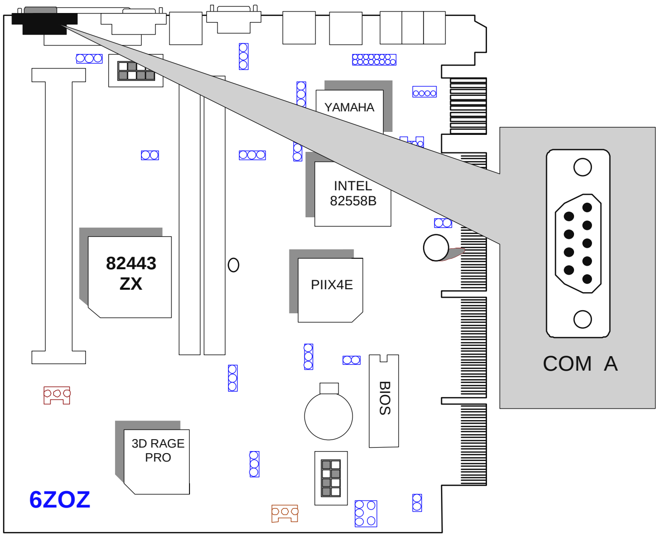
VGA : VGA Port



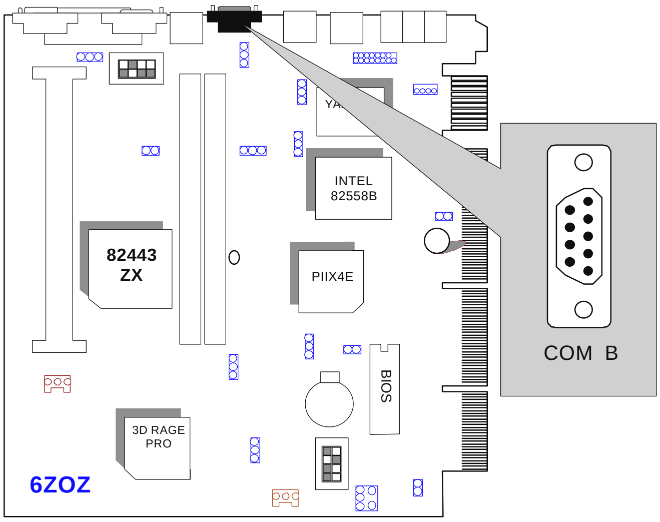
LPT : Printer Port



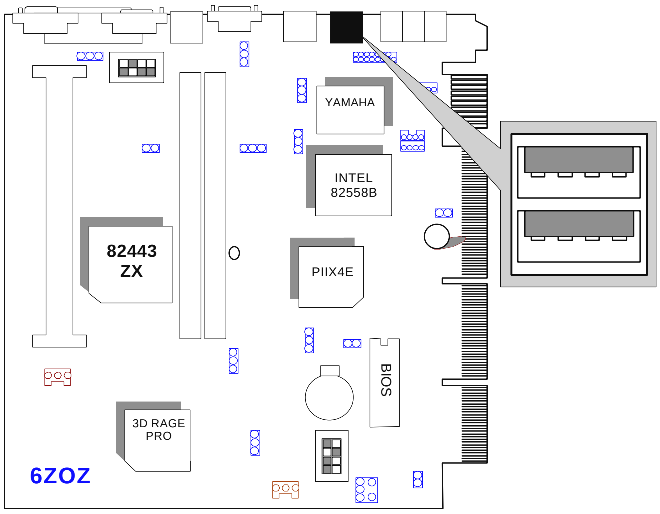
COM A : Serial port1



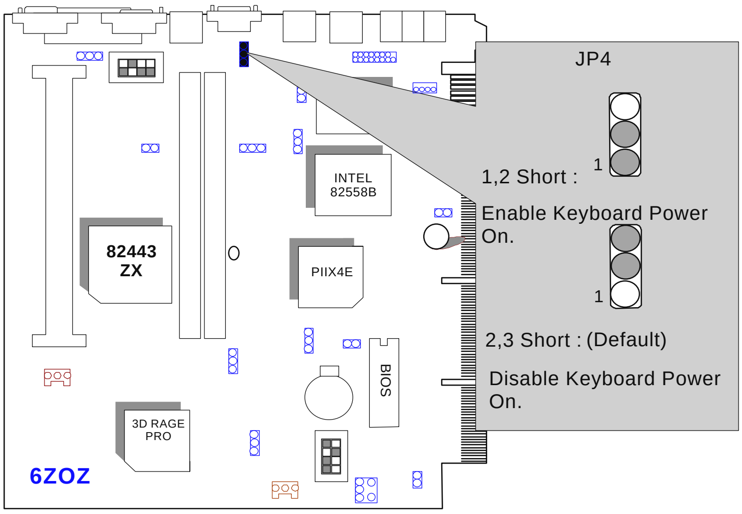
COM B : Serial port 2



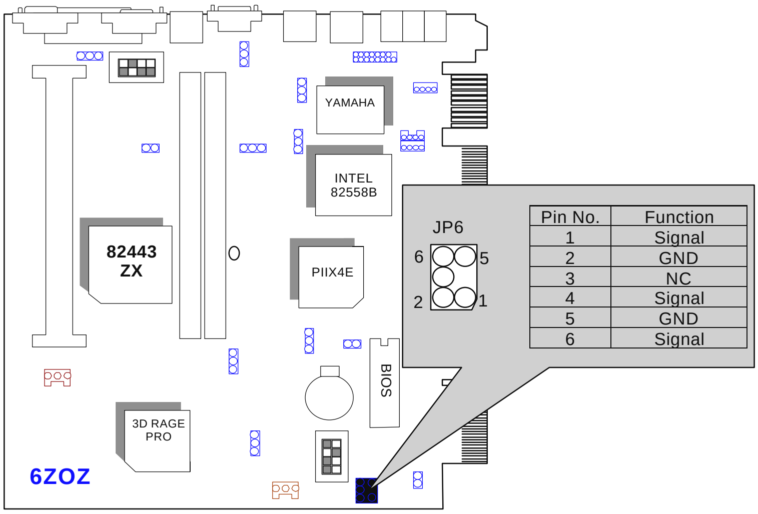
USB : USB Connector



JP4 : Keyboard Power On

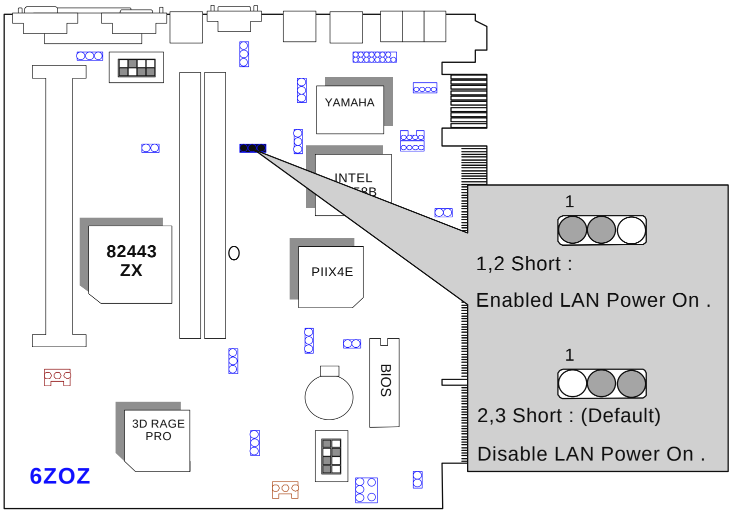


JP6 : SB-LINK (Creative PCI Sound Card Support)

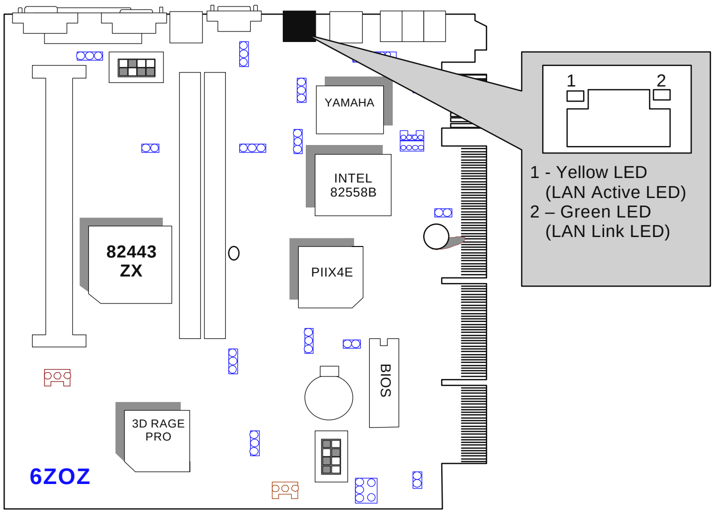


Pin No.	Function
1	Signal
2	GND
3	NC
4	Signal
5	GND
6	Signal

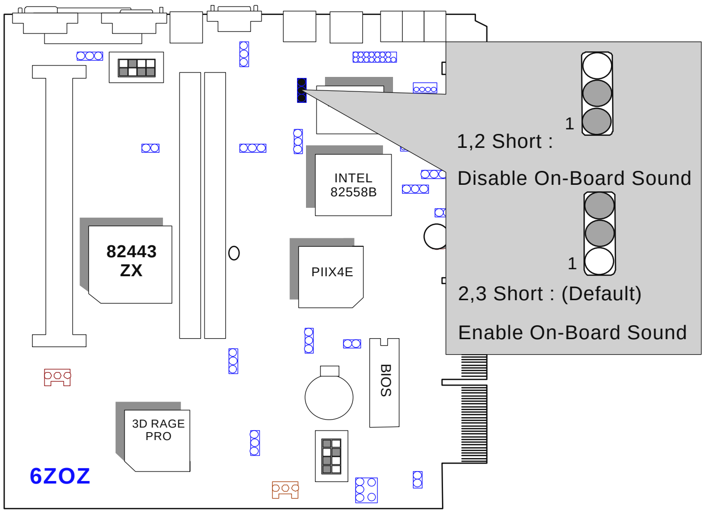
J11 : LAN Power On (Optional)



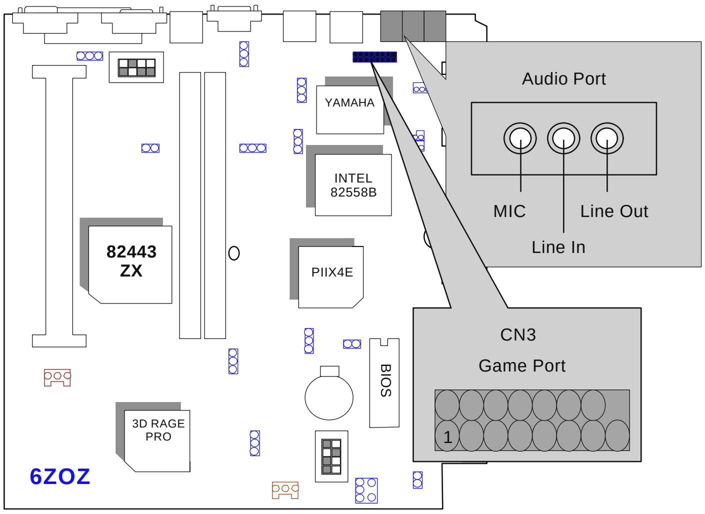
On-Board LAN Connector (Optional)



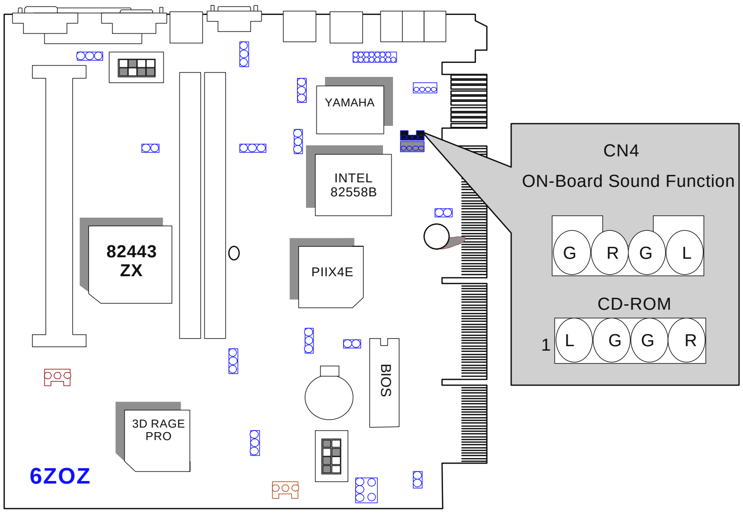
JP13 : On-Board Sound Function (Optional)



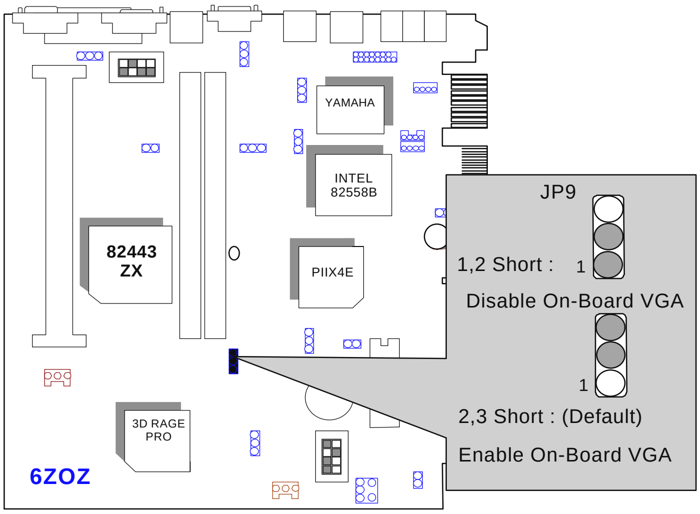
Game Port / Audio Port (Optional)



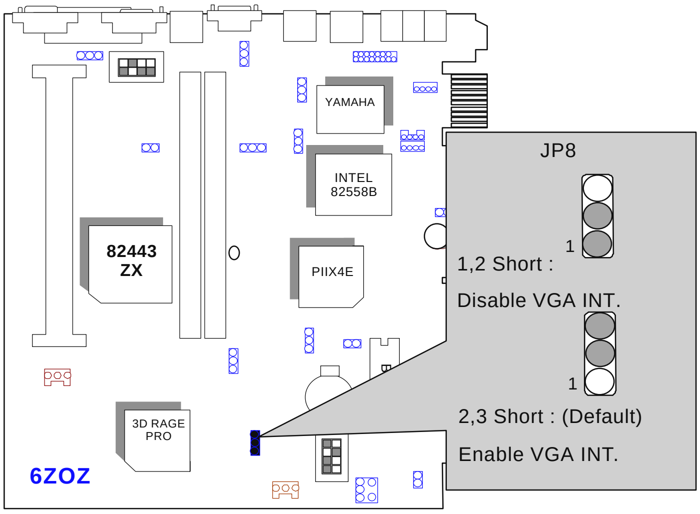
CN4 : On-Board Sound CD-Line In (Optional)



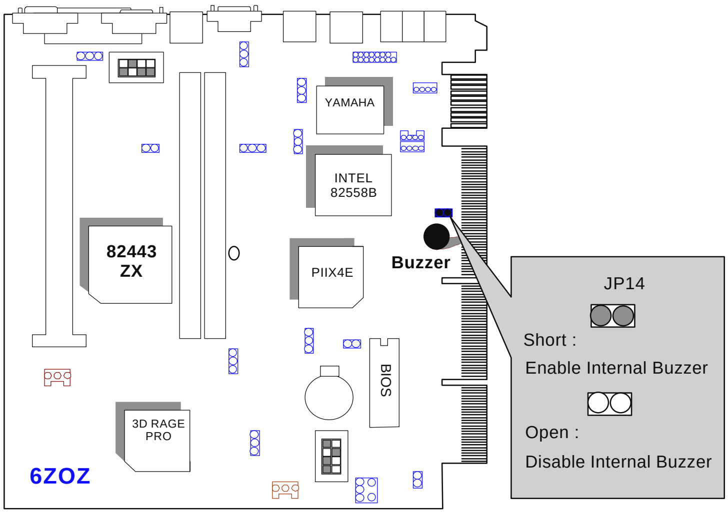
JP9 : On-Board VGA



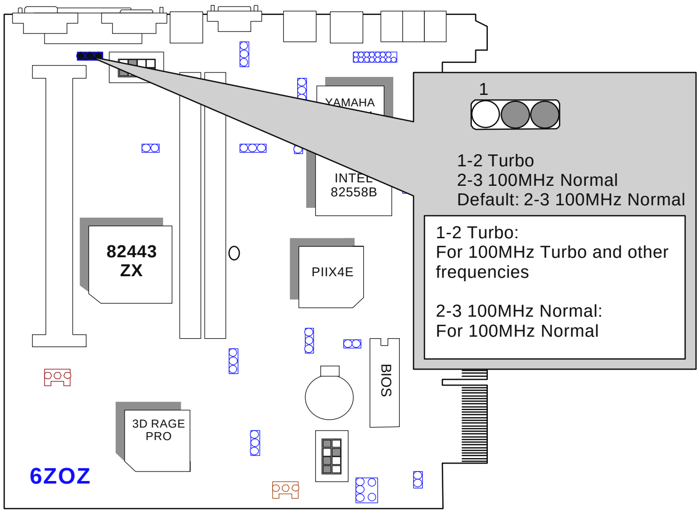
JP8 : Release On-Board VGA from occupying IRQ Resource
(It is not to enable or disable On-Board VGA Function.)



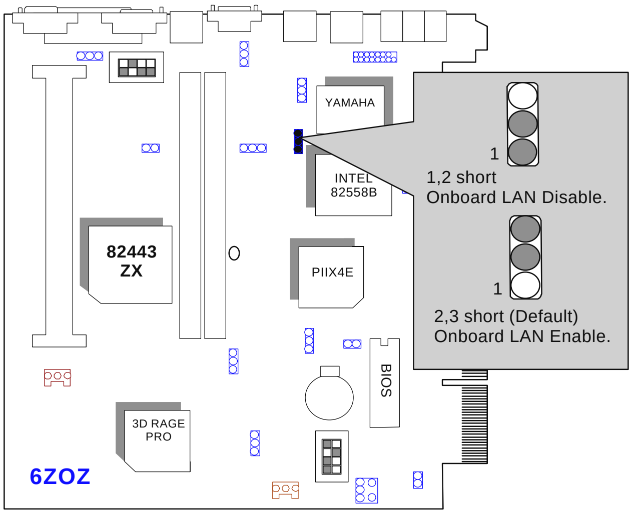
JP14 : Internal Buzzer



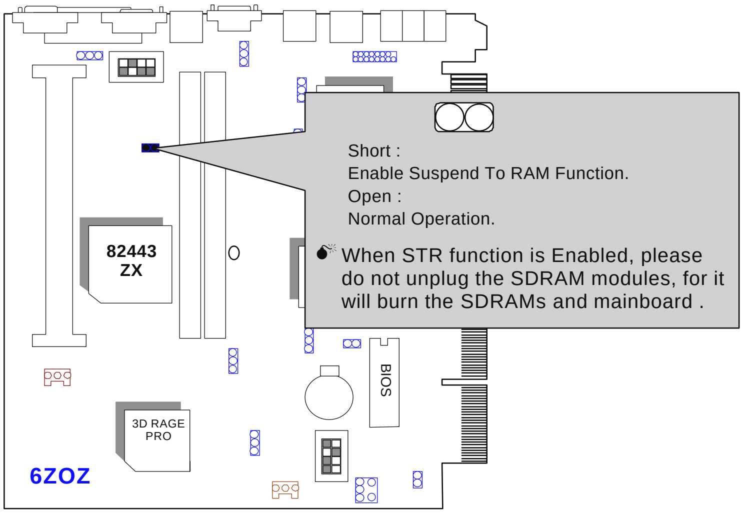
JP17 : System Acceleration



JP10 : Onboard LAN Function (Optional)

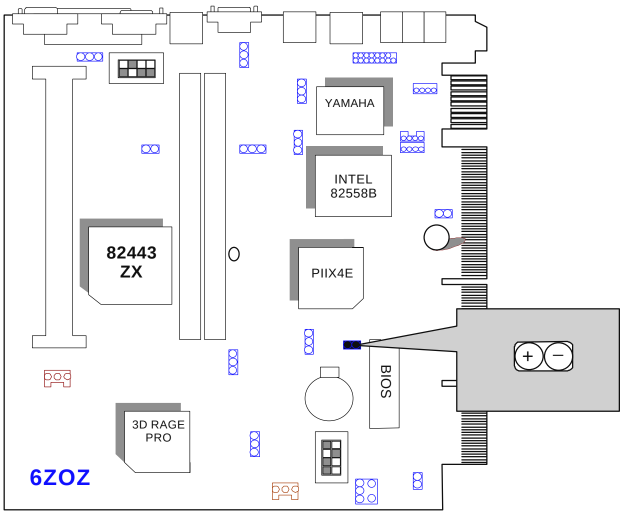


JP20 : Suspend To RAM Function (Optional)

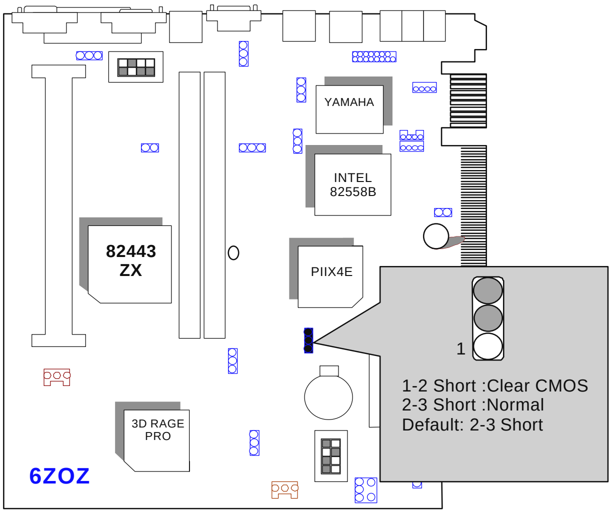


- **Support under Windows 98 ACPI O.S.**
- **When use STR function ,it' s depends on VGA brand version .**

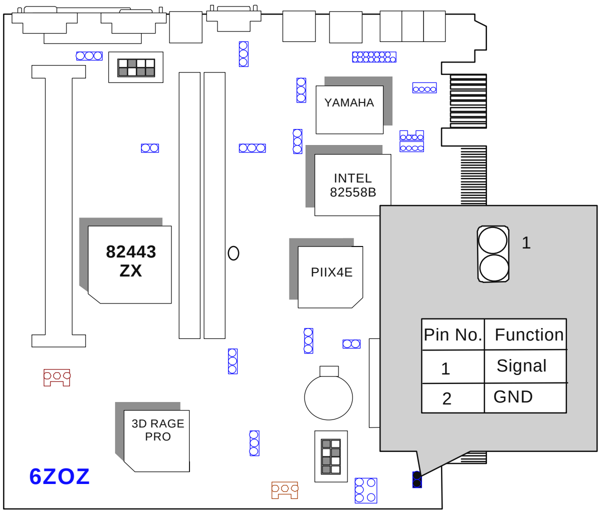
JP19 : STR LED (Optional)



JP18 : CLEAR CMOS Function

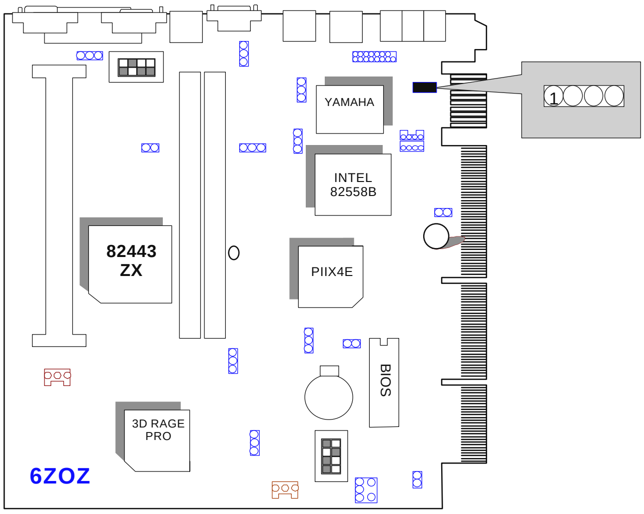


JP7 : CASE OPEN

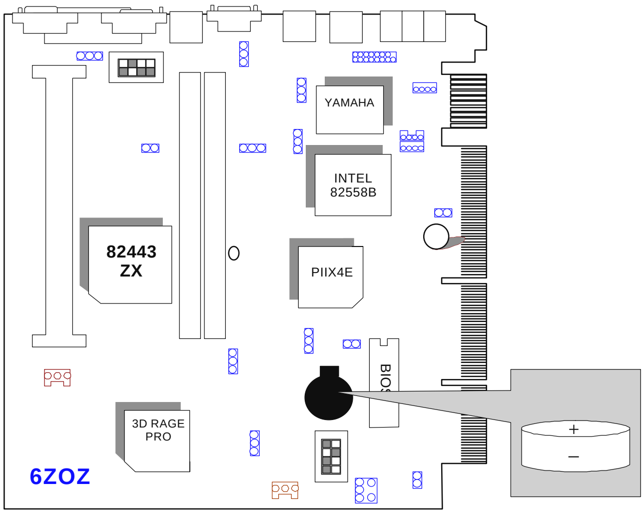


Pin No.	Function
1	Signal
2	GND

TEL : For Modem with internal voice connector(Optional).



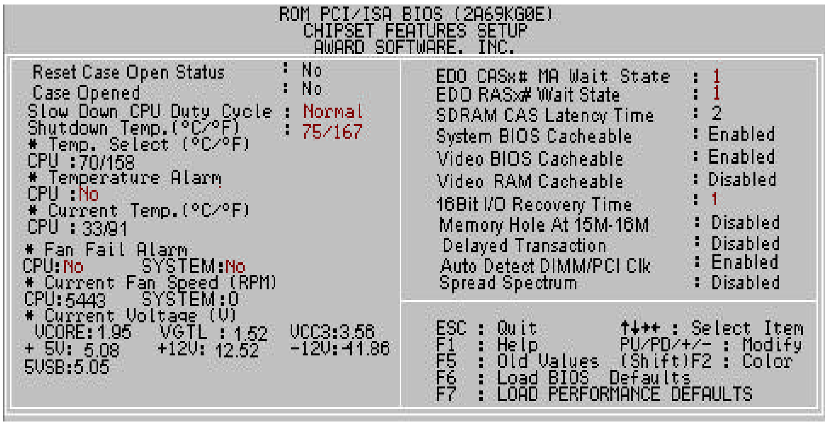
BAT1 : BATTERY



- Danger of explosion if battery is incorrectly replaced.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the manufacturer' s instructions.

III. Top Performance Test Setting:

Users have to modify the value for each item in chipset features as follow



for top performance setting.

** Each value of items as above depends on your hardware configuration : CPU , SDRAM , Cards , etc.
Please modify each value of items if your system does not work properly .

The following performance data list is the testing results of some popular

benchmark testing programs.

These data are just referred by users, and there is no responsibility for different testing data values gotten by users. (The different Hardware & Software configuration will result in different benchmark testing results.)

- CPU Pentium® II 450MHz / Celeron™ 366 MHz processor
- DRAM (128 × 1) MB SDRAM (SEC KM48S8030BT-GH)
- CACHE SIZE Included in CPU
- DISPLAY On-Board ATi 3D RAGE Pro 2X AGP Display (4MB SGRAM)
- STORAGE Onboard IDE (Seagate ST34520A)
- O.S. Windows® NT 4.0 (SPK4)
- DRIVER Display Driver at 1024 x 768 x 64 colors x 75Hz.
  Triones Bus Master IDE Driver 3.70

Processor	Intel Pentium® II 450MHz (100×4.5)	Intel Celeron™ 366MHz (66×5.5)
Winbench99		
CPU mark32	1110	772
FPU Winmark	2300	1970
Business Disk	4370	4240
Hi-End Disk	10500	10400
Business Graphics	142	126
Hi-End Graphics	333	299
Winstone99		
Business	29.5	26
Hi-End	28.8	24.4